WHAT IS CLAIMED IS:

1. Mechanism for the transmission of time-synchronous data from a sender to a receiver using a network, where the data is processed and/or transmitted at the sender as well as the receiver side using at least one first processing unit, wherein a second processing unit parallel to the first processing unit is setup and/or adapted based on changed data rates and/or network characteristics, and that after switching, the processing and/or transmission of data is performed using the second processing unit.

2. Mechanism according to claim 1, wherein the setup and/or adaptation of the second processing is started using a trigger event.

3. Mechanism according to claim 1, wherein the switching is performed after the completion of the setup and/or adaptation of the second processing unit.

4. Mechanism according to claim 1, wherein the switching is performed after reaching a certain switching condition.

5. Mechanism according to claim 4, wherein the certain switching condition is whether at least one given parameter reaches at a predetermined value.

6. Mechanism according to claim 1, wherein the data is processed in the first processing unit using a plurality of subcomponents.

7. Mechanism according to claim 6, wherein the subcomponents includes at least one of a codec, a filter, a packetizer, and a memory buffer.

8. Mechanism according to claim 1, wherein the data is processed in the second processing unit using a plurality of subcomponents.

9. Mechanism according to claim 8, wherein the subcomponents includes at least one of a codec, a filter, a packetizer, and a memory buffer.

10. Mechanism according to one claim 8, wherein the subcomponents are connected during the setup.

11. Mechanism according to claim 1, wherein the first and/or second processing unit is initialized after the setup.

12. Mechanism according to claim 8, wherein each of the subcomponents of the parallel processing unit is adapted to each other, the changed data load and/or changed network characteristics.

13. Mechanism according to claim 6, wherein after the switching process, the subcomponents of the first processing unit are de-attached from each other.

14. Mechanism according to claim 13, wherein: a plurality of the second processing units is setup; and the subcomponents of the first processing unit are included in one of the second processing units.

15. Mechanism according to claim 6, wherein after the switching process, the subcomponents of the first processing unit remain connected.

16. Mechanism according to claim 1, wherein additional second processing units are setup and/or adapted based on changed data load and/or network characteristics.

17. Mechanism according to claim 1, wherein an additional processing unit for the processing and/or transmission of data is used in sequence with the first and/or second processing unit.

18. Mechanism according to claim 1, wherein the data is gathered with one of mechanisms for acquiring visual data and speech data.